

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property
Organization
International Bureau



(43) International Publication Date
8 April 2004 (08.04.2004)

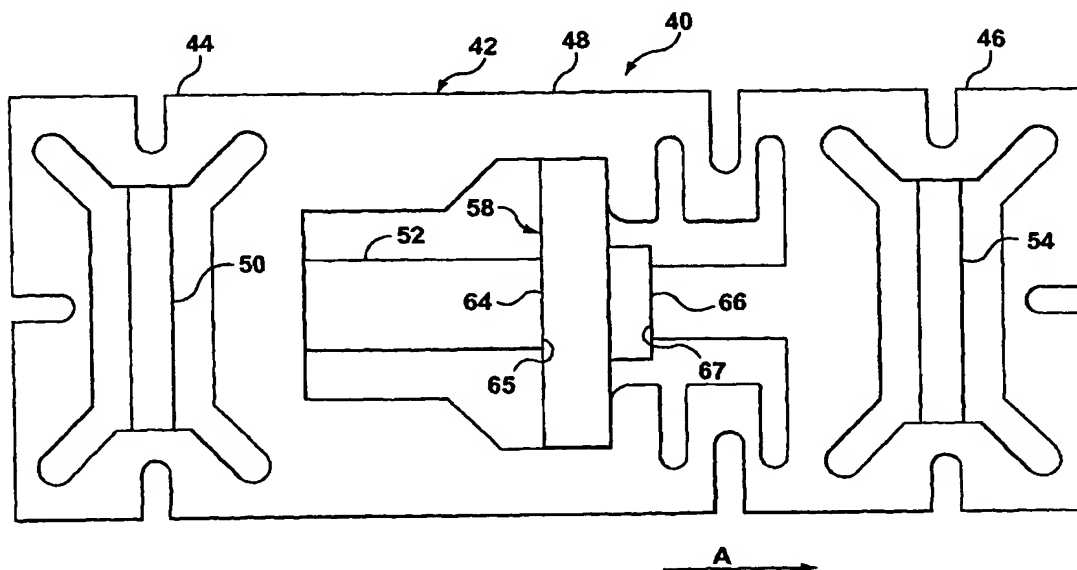
PCT

(10) International Publication Number
WO 2004/030196 A3

- (51) International Patent Classification⁷: **H02N 2/02**
- (21) International Application Number:
PCT/CA2003/001487
- (22) International Filing Date:
29 September 2003 (29.09.2003)
- (25) Filing Language: English
- (26) Publication Language: English
- (30) Priority Data:
60/413,862 27 September 2002 (27.09.2002) US
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- (81) Designated States (national): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.
- (84) Designated States (regional): ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).
- Published:
— with international search report

[Continued on next page]

(54) Title: MICRO-POSITIONING DEVICE



(57) Abstract: A micro-positioning device adapted for displacement in a direction of travel. The device has a frame (42), an actuator (52) attached to the frame, and a hydraulic booster (58) attached to the frame and operably connected to the actuator. The actuator (52) is adapted for activation and de-activation in sequence with clamping actuators (50, 54) to achieve a displacement in the direction of travel (A). The hydraulic booster is adapted for amplifying or de-amplifying displacement in the direction of travel. The hydraulic booster converts mechanical energy into hydraulic energy and converts hydraulic energy into mechanical energy to modify the displacement.



— *before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments*

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(88) Date of publication of the international search report:
21 October 2004

INTERNATIONAL SEARCH REPORT

International Application No.

SA 03/01487

A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 H02N2/02

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 H01L H02N F15B

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the International search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ, IBM-TDB, INSPEC, COMPENDEX

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 5 697 554 A (AUWAERTER GERHARD ET AL) 16 December 1997 (1997-12-16) column 1, lines 5-8; figures 1,2 column 2, line 65 - column 4, line 24	1-3, 21-23
Y	US 4 736 131 A (FUJIMOTO TOSHITAKA) 5 April 1988 (1988-04-05) column 1, lines 34-43; figure 3 column 3, line 26 - column 4, line 33	4-20, 24
Y	WO 93/06625 A (SIEMENS AG) 1 April 1993 (1993-04-01) page 5, lines 1-14; claims 1,11; figure 1 page 6, line 37 - page 7, line 3	4-20, 24
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Patent family members are listed in annex.

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Date of the actual completion of the international search

2 September 2004

Date of mailing of the international search report

13/09/2004

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INTERNATIONAL SEARCH REPORT

International Application No

A 03/01487

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

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INTERNATIONAL SEARCH REPORT

Information on patent family members

Patent International Application No
PCT/CA 03/01487

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European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE,
ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO,
SE, SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM,
GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

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Published:

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